

HALOGENATED CALIXPYRROLES, CALIXPYRIDINOPYRROLES AND CALIXPYRIDINES, AND USES THEREOF

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ABSTRACT OF THE DISCLOSURE

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The present invention provides halogenated calixpyrrole, calixpyridinopyrrole, and calixpyridine macrocycles having 4-12 pyrrolic rings with greater stability, enhanced anion and neutral molecule binding affinity, and different binding selectivities as compared to their non-halogenated congeners as judged from ^1H NMR, ^{19}F NMR and fluorescence emission spectroscopic analyses.